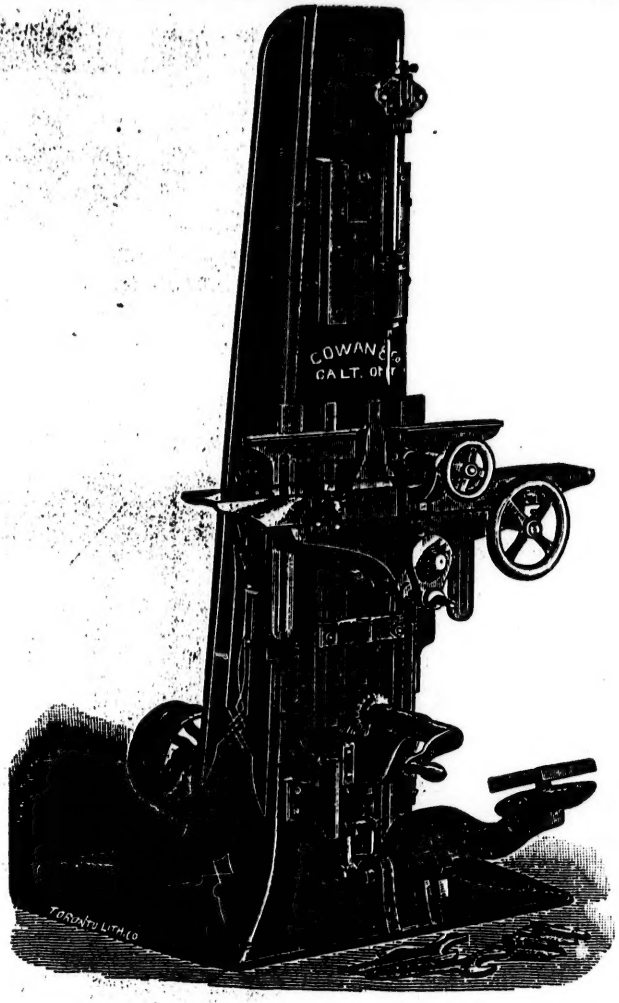

No. 2 Improved Low Down Mortiser.

THE special feature in this Mortiser is that the crank wheel and shaft, and tight and loose pulleys, are all at the base of the machine in order that the vibration may be reduced to a minimum.

The Frame is of one casting, and stands solidly on a broad base, to avoid as much as possible any jar while at work.

The Bed is compound, and has angling, and lateral movement. The feed to the chisel is by a pinion and rack and hand wheel, as seen in cut, so that the operator can bring any part of the clamped piece quickly under the chisel.

The chisel mandrel with its boxes and bearing move together. There is a lock nut to the mandrel, so that any wear may be taken up, which is a decided advantage. The Chisel has a 5 in. stroke, and is reversed by gear while machine is in motion, or standing, with no possibility of missing.

The Treadle, or foot piece, is easily worked, and is adjustable to depth of mortise, so that the foot need not be raised higher than the mortise requires.

We supply it with or without Boring Attachment as may be required, and furnish with each Machine, 5 chisels, $\frac{1}{4}$ in., $\frac{3}{8}$ in., $\frac{7}{16}$ in., $\frac{1}{2}$ in. and $\frac{5}{8}$ in.

Tight and loose Pulleys are 12 in. x 3 in., and should make 375 revolutions per minute.

Weight—1,250 lbs. With Boring Attachment, 1,350 lbs.